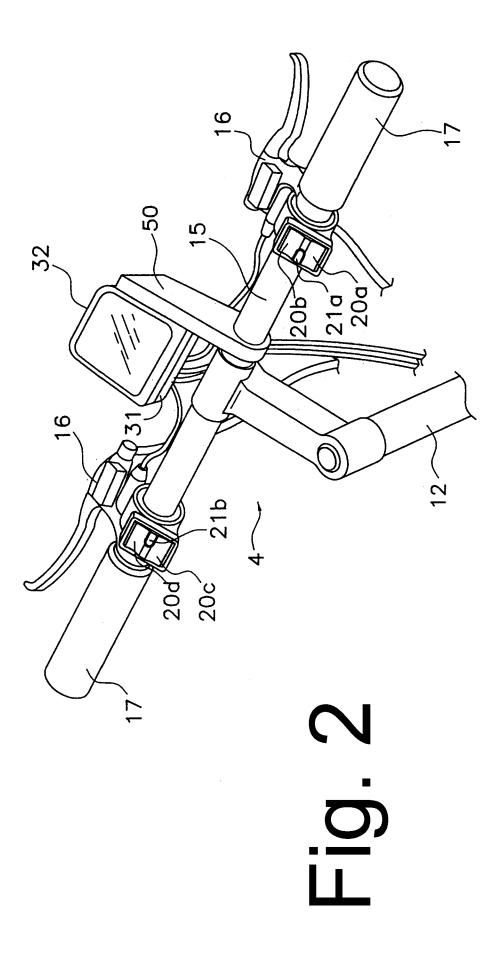


Fig.



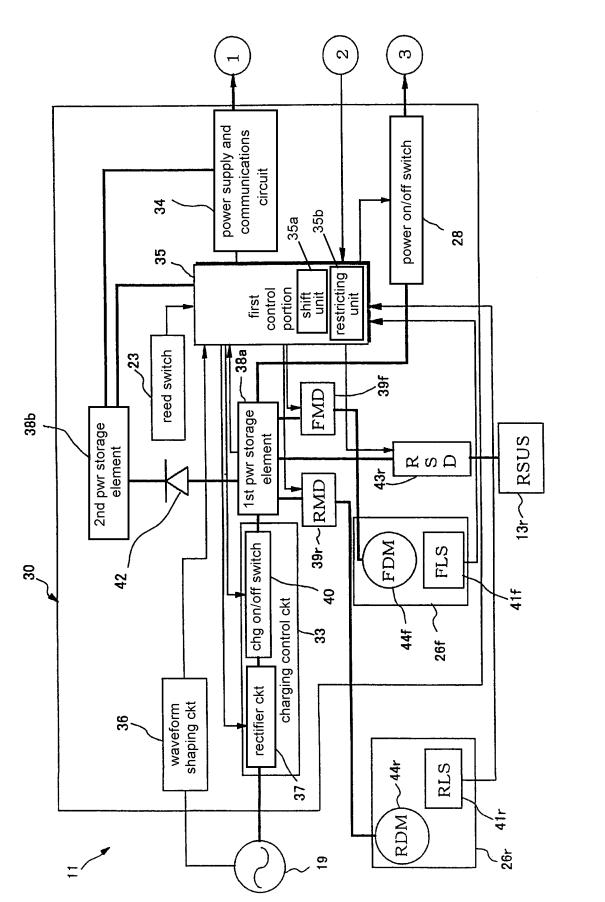
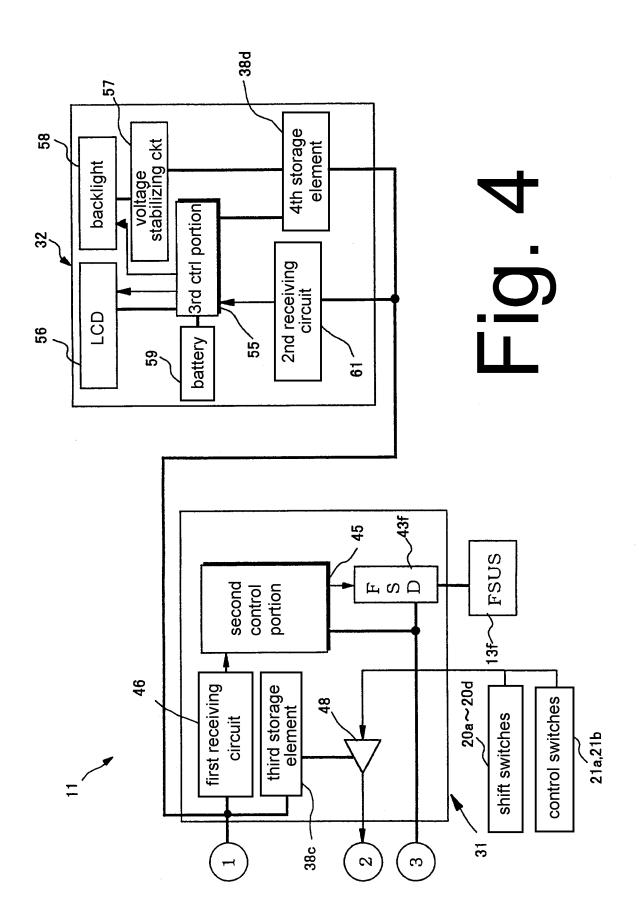


Fig. 3



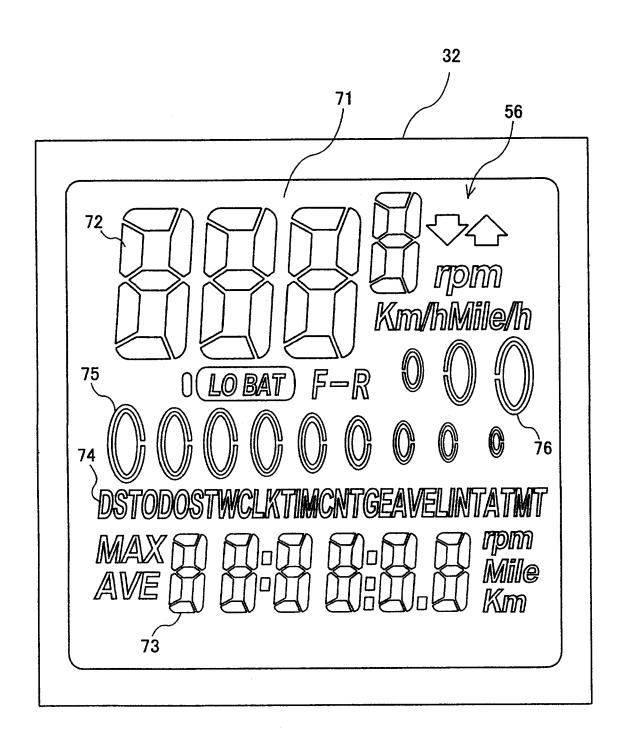
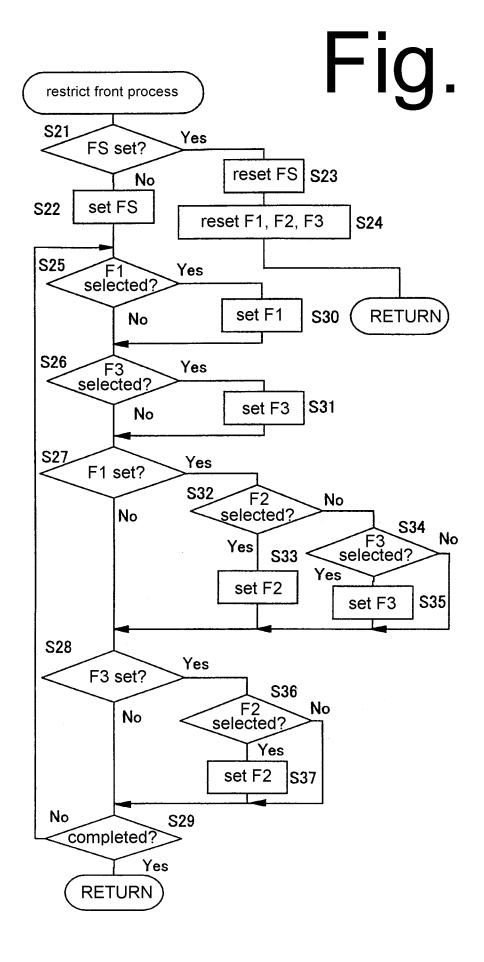


Fig. 5

Fig. 6 **START** initialize **S1** S2 Yes restricted? restrict **S6** front No S3 Yes automatic shift? acquire V S7 No acquire F, R **S8 S9** Yes V>U(F,R)? Yes No V>U(F,R+1)? S13 No S12 _ upshift 1 upshift 2 Yes **S10** V<D(F,R)? **S14** No Yes V<D(F,R-1)? **S15 S16** T_{No} downshift 1 downshift 2 **S4** Yes manual shift? manual shift | S17 No **S5** Yes other mode? No other mode **S18**



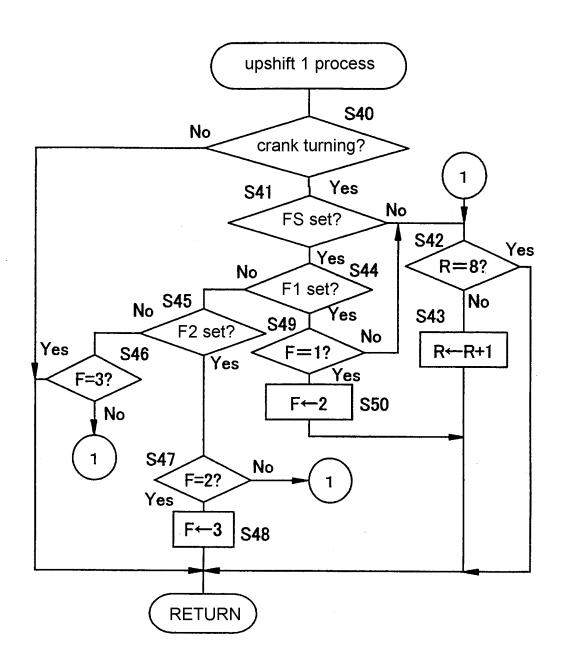


Fig. 8

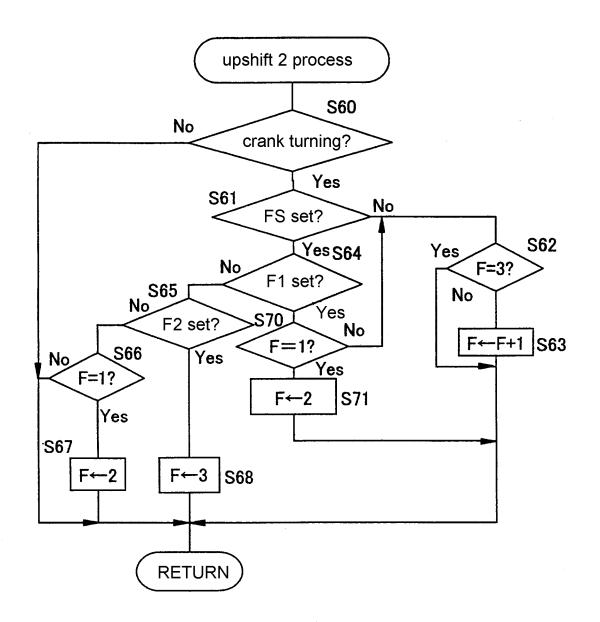


Fig. 9

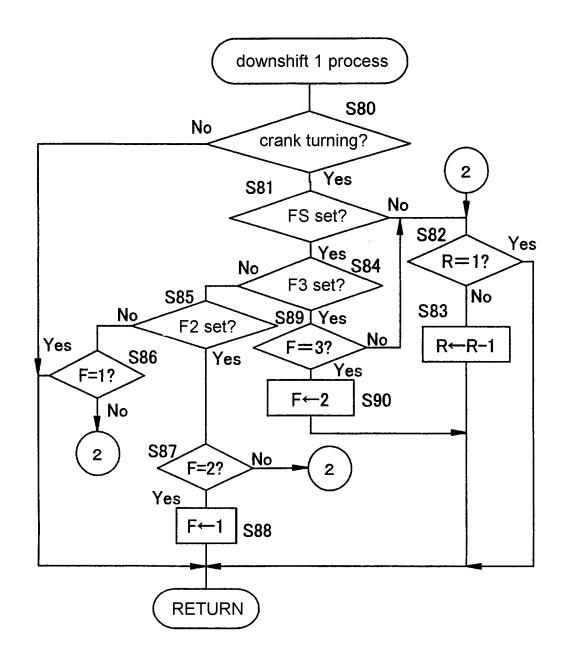


Fig. 10

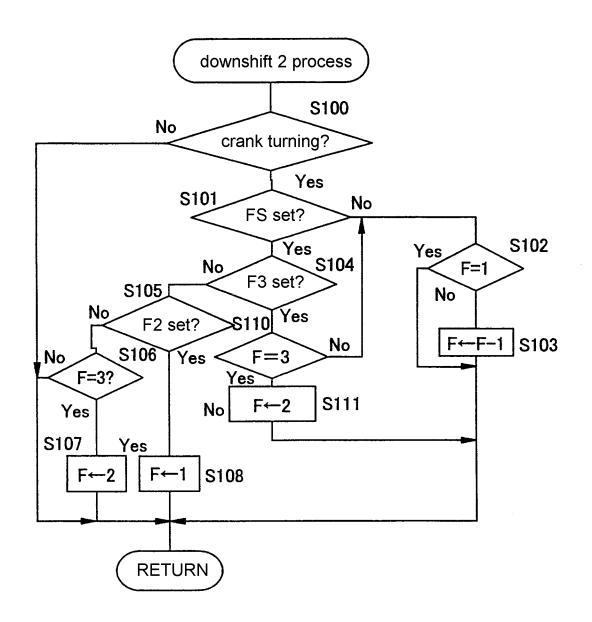


Fig. 11

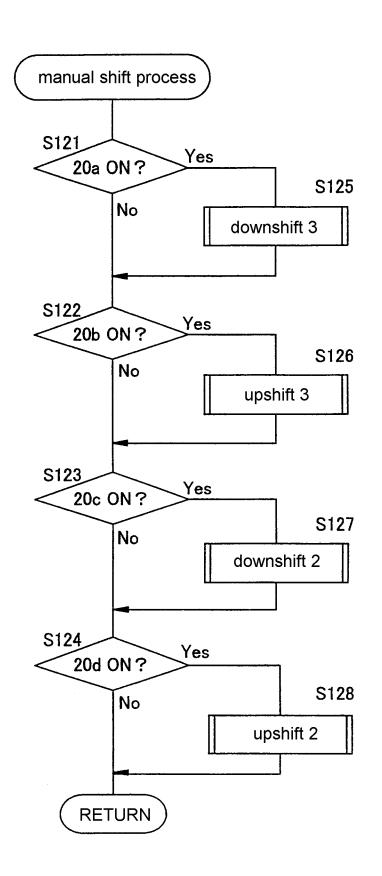


Fig. 12

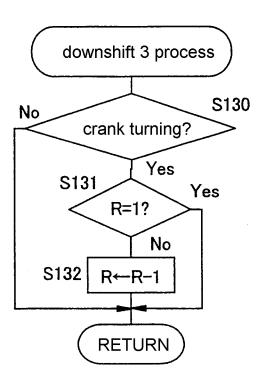


Fig. 13

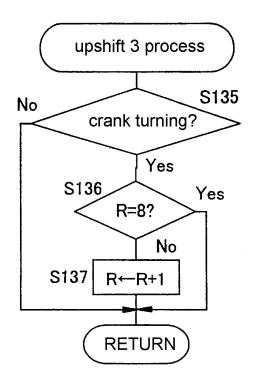


Fig. 14

		R1	R2	R3	R4	R5	R6	R7
Table 4	F1	4.53	5.25	6.25	7.73	8.76	10.10	11.94
	F2	6.42	7.44	8.86	10.94	12.40	14.31	16.91
	F3	8.68	10.07	11.99	14.81	16.78	19.36	22.88
Table 3	F1	4.89	5.67	6.75	8.34	9.45	10.90	12.88
	F2	6.92	8.03	9.56	11.81	13.38	15.44	18.25
	F3	9.36	10.86	12.93	15.98	18.11	20.89	24.69
Table 2	F1	5.24	6.08	7.24	8.94	10.14	11.70	13.82
	F2	7.43	8.62	10.26	12.67	14.36	16.57	19.58
	F3	10.05	11.66	13.88	17.14	19.43	22.42	26.50
T - l- l -	F1	5.60	6.50	7.73	9.55	10.83	12.49	14.77
Table 1	F2	7.93	9.20	10.96	13.54	15.34	17.70	20.92
	F3	10.74	12.45	14.83	18.31	20.76	23.96	28.30
Table 0	F1	5.96	6.91	8.23	10.16	11.52	13.29	15.71
	F2	8.44	9.79	11.66	14.40	16.32	18.83	22.25
	F3	11.42	13.25	15.77	19.48	22.08	25.48	30.11
Table	F1	6.32	7.33	8.72	10.77	12.21	14.09	16.65
Table -1	F2	8.95	10.38	12.36	15.26	17.30	19.96	23.59
'	F3	12.11	14.04	16.72	20.65	23.40	27.01	31.92
Table	F1	6.67	7.74	9.22	11.38	12.90	14.89	17.59
-2	F2	9.45	10.97	13.06	16.13	18.28	21.09	24.93
	F3	12.79	14.84	17.66	21.82	24.73	28.53	33.72
Table -3	F1	7.03	8.16	9.71	11.99	13.59	15.68	18.54
	F2	9.96	11.55	13.76	16.99	19.26	22.22	26.26
	F3	13.48	15.63	18.61	22.99	26.05	30.06	35.53
Table -4	F1	7.39	8.57	10.20	12.60	14.28	16.48	19.48
	F2	10.47	12.14	14.45	17.86	20.24	23.35	27.60
	F3	14.16	16.43	19.56	24.16	27.38	31.59	37.34

Fig. 15

	:	R2	R3	R4	R5	R6	R7	R8
Table 4	F1	3.98	4.53	5.25	6.25	7.73	8.76	10.10
	F2	5.64	6.42	7.44	8.86	10.94	12.40	14.31
	F3	7.63	8.68	10.07	11.99	14.81	16.78	19.36
Table 3	F1	4.29	4.89	5.67	6.75	8.34	9.45	10.90
	F2	6.08	6.92	8.03	9.56	11.81	13.38	15.44
	F3	8.23	9.36	10.86	12.93	15.98	18.11	20.89
Table 2	F1	4.61	5.24	6.08	7.24	8.94	10.14	11.70
	F2	6.53	7.43	8.62	10.26	12.67	14.36	16.57
	F3	8.83	10.05	11.66	13.88	17.14	19.43	22.42
Table	F1	4.92	5.60	6.50	7.73	9.55	10.83	12.49
Table 1	F2	6.97	7.93	9.20	10.96	13.54	15.34	17.70
1	F3	9.43	10.74	12.45	14.83	18.31	20.76	23.95
Table	F1	5.24	5.96	6.91	8.23	10.16	11.52	13.29
Table 0	F2	7.42	8.44	9.79	11,66	14.40	16.32	18.83
	F3	10.04	11.42	13.25	15.77	19.48	22.08	25.48
T - l- l -	F1	5.55	6.32	7.33	8.72	10.77	12.21	14.09
Table —1	F2	7.86	8.95	10.38	12.36	15.26	17.30	19.96
	F3	10.64	12.11	14.04	16.72	20.65	23.40	27.01
-	F1	5.86	6.67	7.74	9.22	11.38	12.90	14.89
Table -2	F2	8.31	9.45	10.97	13.06	16.13	18.28	21.09
	F3	11.24	12.79	14.84	17.66	21.82	24.73	28.53
Table -3	F1	6.18	7.03	8.16	9.71	11.99	13.59	15.68
	F2	8.75	9.96	11.55	13.76	16.99	19.26	22.22
	F3	11.84	13.48	15.63	18.61	22.99	26.05	30.06
Table -4	F1	6.49	7.39	8.57	10.20	12.60	14.28	16.48
	F2	9.20	10.47	12.14	14.45	17.86	20.24	23.35
	F3	12.45	14.16	16.43	19.56	24.16	27.38	31.59

Fig. 16